

The Castle Excalibur (GA1001) P.C. Based Audiometer

Instruments from the Castle range have always stood for innovation and design excellence, with the new 1001 Excalibur Audiometer being no exception.

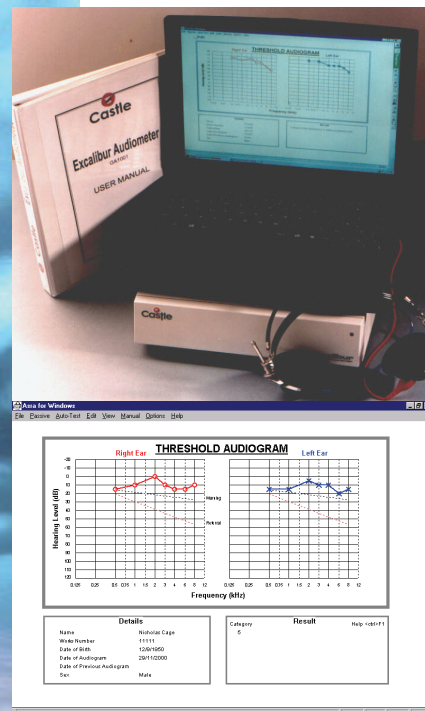
The Excalibur Audiometer has been designed with a focus on portability, ease of use and a flexible operating system. The unit comes complete with earphones, patient response button, operator microphone and where applicable, a PC and printer. (This program will suit most notebook, desktop or networked systems).



vibration



noise



INVESTOR IN PEOPLE



Features

- ◆ Simple automatic, semi automatic and manual operation with full categorisation of results and graphical display of HSE warning and referral levels.
- ◆ Testing down to -20dB for more accurate baseline measurement
- ◆ Unlimited storage on disk with on screen help prompts at all stages
- ◆ Flexible set up facilities to personalise the test
- ◆ Reports printed A4 size on a test or batch basis
- ◆ Easily updated windows program which links to an Occupational Health Database
- ◆ Statistical Analysis and report letter generation facility included.
- ◆ Utility program included which allows further customisation of the audiometer and the report formats as well as recall for periodic test reminders.



The Main Program in Excalibur provides the following facilities:

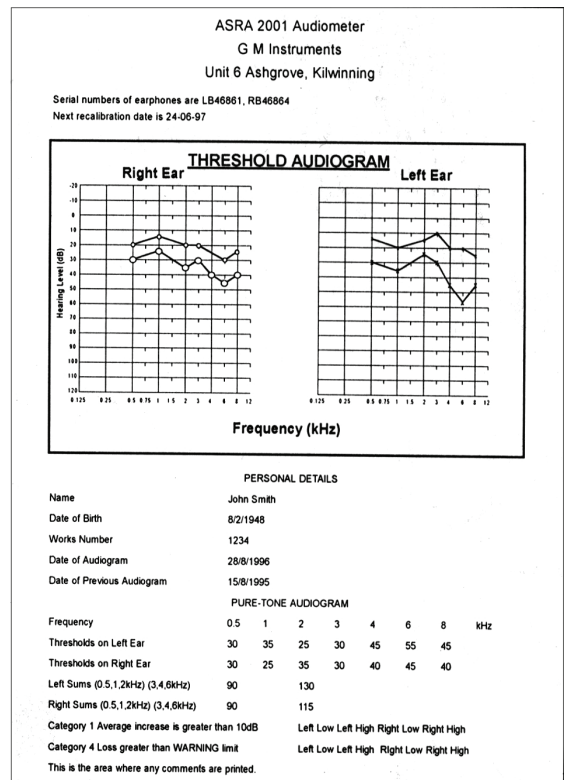
- ◆ Entry of subject information
- ◆ Entry of operator comments
- ◆ Automatic testing in line with the BSA recommendations for pure tone Audiometry
- ◆ Automatic, semi - automatic or manual testing
- ◆ Single or multiple pulse option
- ◆ Storage of results on disk
- ◆ Recall of stored results to screen for comparison with current test
- ◆ Entry of re-test date for automatic reminders
- ◆ Printout of results in full A4 format as below
- ◆ Option to merge data with user - definable letters
- ◆ Categorisation of results based on age and previous results
- ◆ Adaptation of test protocol to suit patient and operator
- ◆ Wide measuring range (-20 to 120dB) to allow accurate assessment for all age groups
- ◆ Frequency range 125Hz to 12KHz with standard frequency lists, or own list option
- ◆ Export of results to database

The Utility Program in Excalibur adds the following features :

- ◆ Automatic selection of results saved on a particular day with
- ◆ Printout of that days' work and automatic superimposition of the most recent tests
- ◆ Printout or display of patients due for re-test
- ◆ Printout of a letter containing merged data
- ◆ A statistical analysis of the results obtained broken down by category number.

SPECIFICATION

Frequencies :	Select from 125Hz, 250Hz, 500Hz, 750Hz, 1kHz, 1.5kHz, 2kHz, 3kHz, 4kHz, 6kHz, 8kHz & 12kHz
Accuracy	+/- 0.1 %
Harmonic Distortion	1%
Hearing Level Range	-20dB to +120dB
Accuracy	+/- 1dB
Linearity	+/- 1%
Earphone Type	Telephonics TDH 39
Standards	Audiometry BS EN 60645-1:2001 Electrical BS EN 60601-1-1:2001 CE BS EN 60601-1-2:2002
Safety	Automatic Limitation of SPL
Power	240V or 110V AC to be specified at time of order
Size	27.5 x 28 x 7.5 cm (10¾" x 11" x 3")
Weight	1575g (3lb 8oz)



Local Distributors :